Mobile Electronic Warfare Support System

Briefed by

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POM-06 Command Element Advocacy Board (CEAB)

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REQUIREMENT DESCRIPTION:

Provide the radio battalions with a highly capable, ballistically-protected SIGINT/EW system with LAV-like mobility.

CAPABILITY PROVIDED:

The Mobile Electronic Warfare Support System (MEWSS) is an advanced Electronic Warfare suite integrated into a LAV auto-hull. The MEWSS will detect, locate, identify, collect and exploit modern threat communications and non-communications emitters. The MEWSS serves as a force multiplier to the MAGTF, providing a complete picture of the RF spectrum. The MEWSS is being acquired using a preplanned product improvement (P3I) program to help keep the system's technical capabilities current. The MEWSS is a D-30 tier-3 system and is at technology readiness level 7.

URGENCY TO COMPETE IN POM06:

- Funding deficiencies must be addressed in order to provide Operation and Support to fielded MEWSS systems.
- Failure to provide O&M funding will severely degrade readiness and impact Radio Battalion’s ability to repair and sustain MEWSS systems.
- Failure to provide RDT&E and PMC funding in POM06 will preclude incorporation of P3I for the MEWSS systems.

STATUS OF REQUIREMENTS DOCUMENATION (ICD, CCD, MNS ORD, SON):

- **Mission Need Statement**: June 1996
- **Operational Requirements Document**
  - Signed July 1994
  - Draft Change 1 released Jan 2001
- **Overarching SIGINT Requirements Document**:

Post-Staffing at MCCDC

AAO:

I MEF	6	DMFA	
II MEF	6	WRMR	
III MEF		NALMEB	
SMCR		Other	
Supt Est			
		Total	**12**

RELATED SYSTEMS:

- Team Portable Collection System (TPCS)
- Team Portable Collection System – Multi-Platform (TPCS-MPC)
- Radio Reconnaissance Equipment Program (RREP)

OUTSTANDING ISSUES:

- Changes in funding reflect a necessary and prudent sustainment plan for ***two*** distinct system configurations.
- Readiness and supportability are critical issues in low density systems.
- Technical obsolescence is the most common challenge to readiness.
- The proposed sustainment plan incorporates a series of Pre-Planned Product Improvements for each configuration including:
  - Migration to JTRS
  - Intercom replacement
  - Technology refresh of software (e.g. operating systems, databases, etc.)
  - Antenna mast assembly refurbishment and replacement
  - Addition of new or enhanced software functionality